

Fig. 1

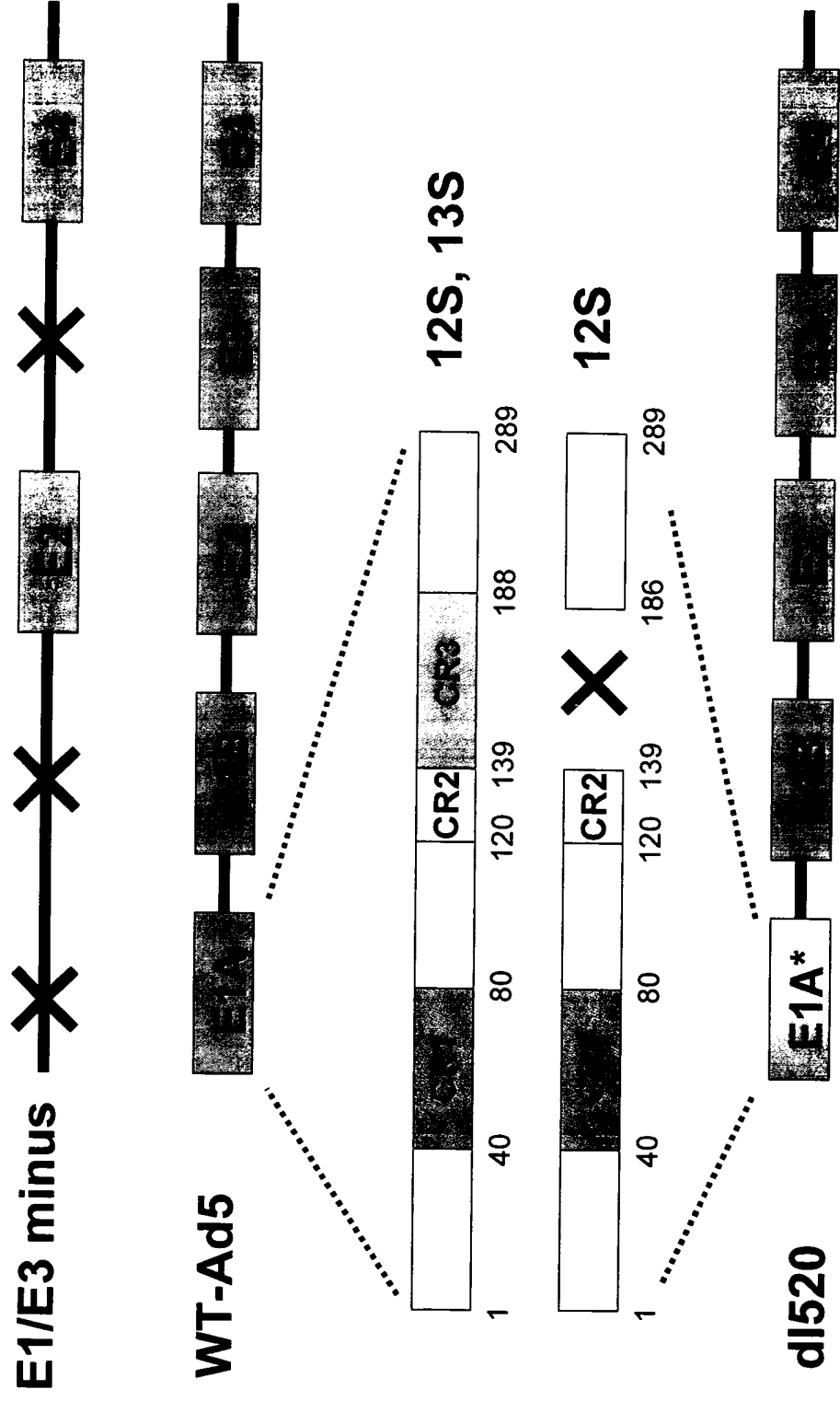


Fig. 2

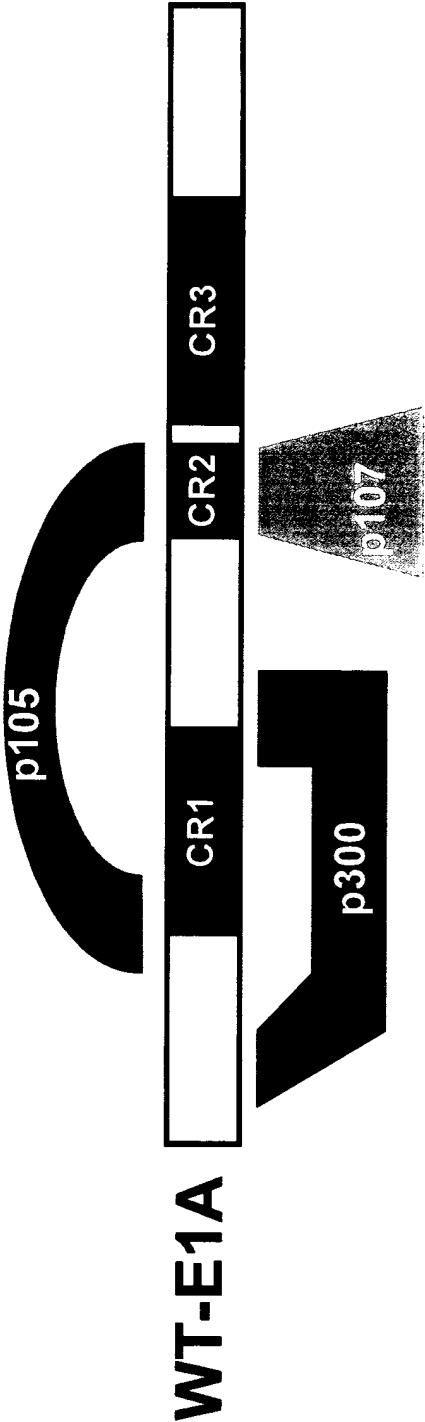


Fig. 3

E1/E3-minus Ad5

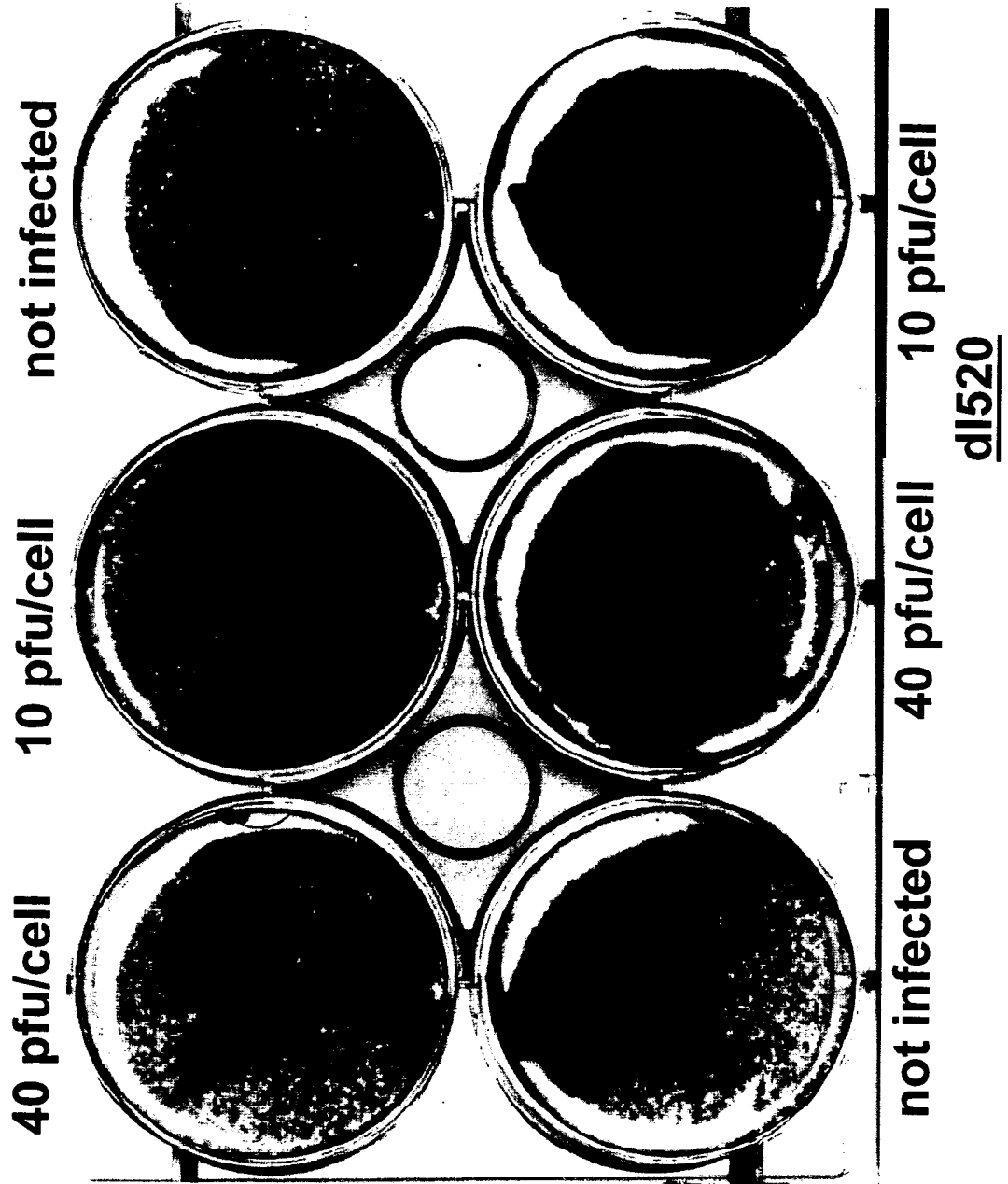
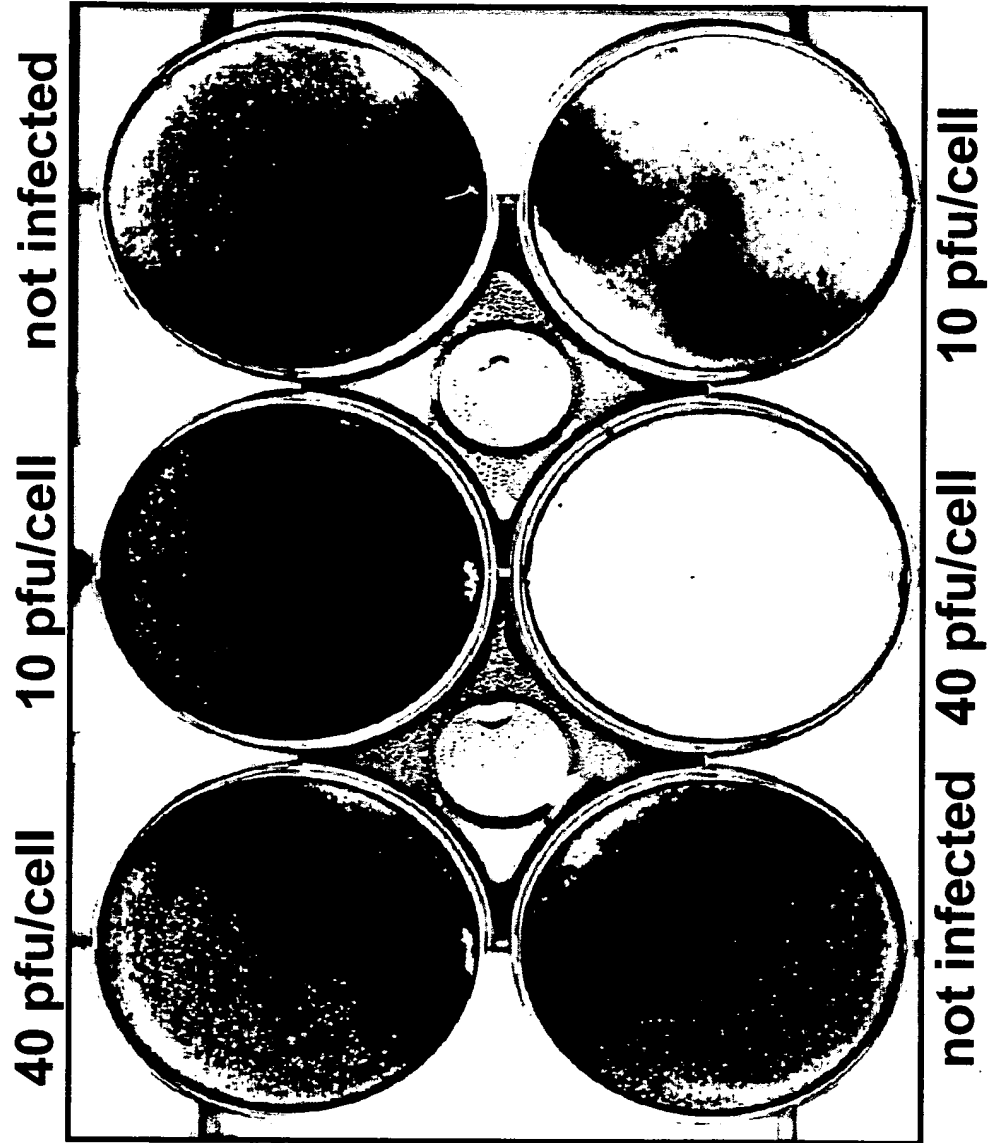


Fig. 4

E1/E3-minus Ad5

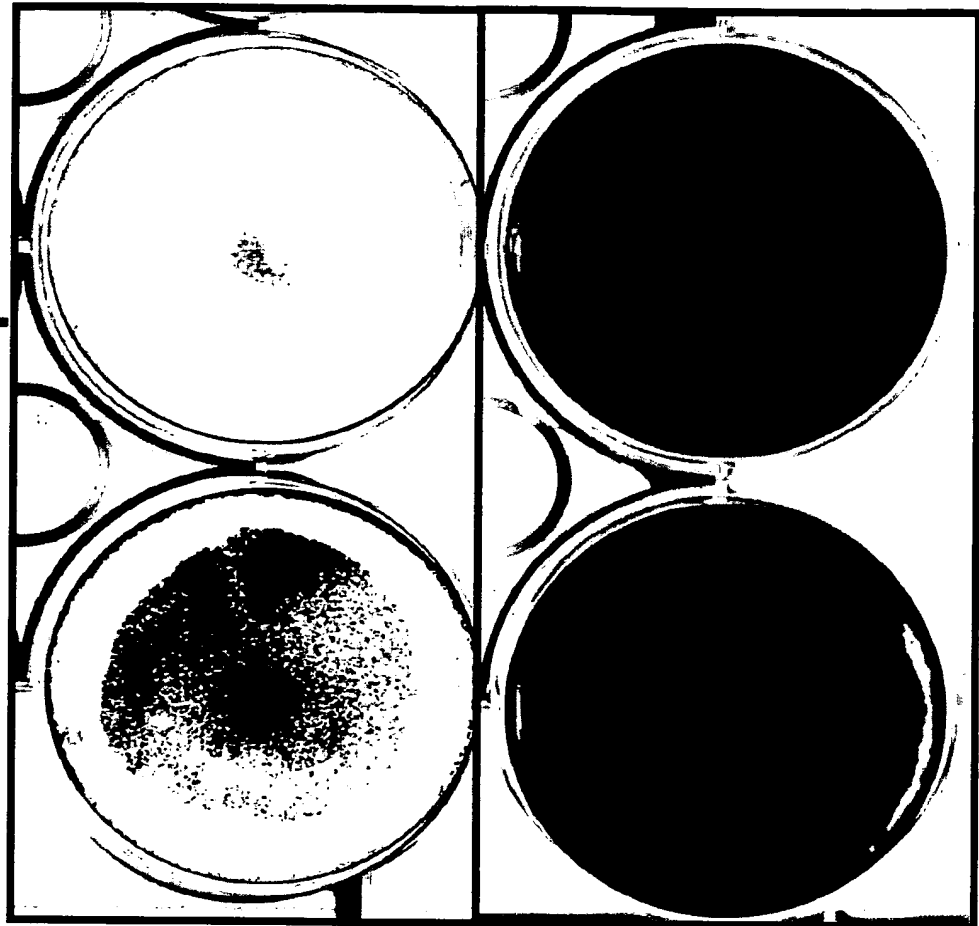


dl520

BEST AVAILABLE COPY

Fig. 5

not infected 20 pfu/cell



257RDB

U2OS

BEST AVAILABLE COPY

↓ YB-1

MCF-Adr

181RDB

257RDB

U2OS

HeLa

Fig. 6

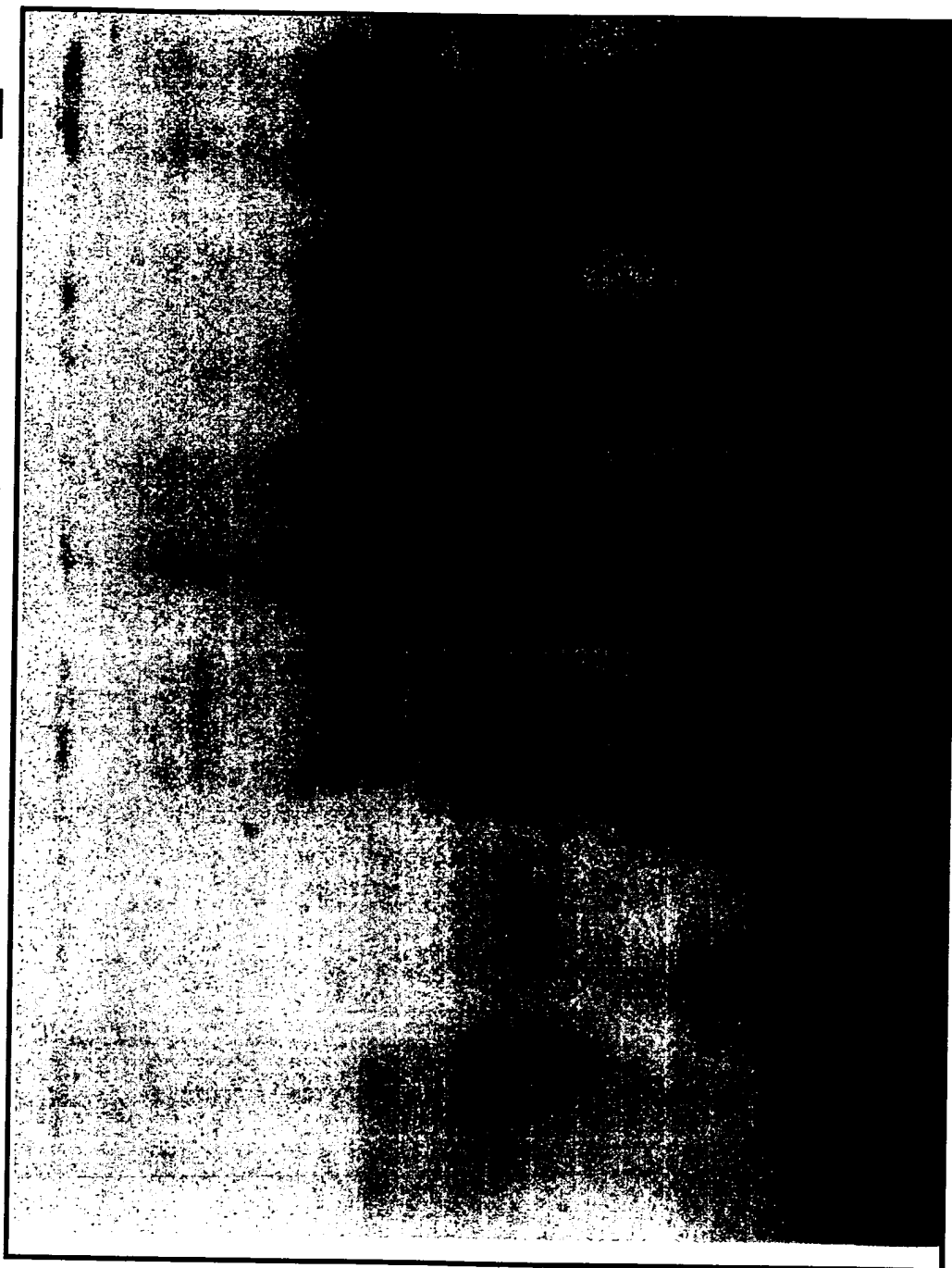
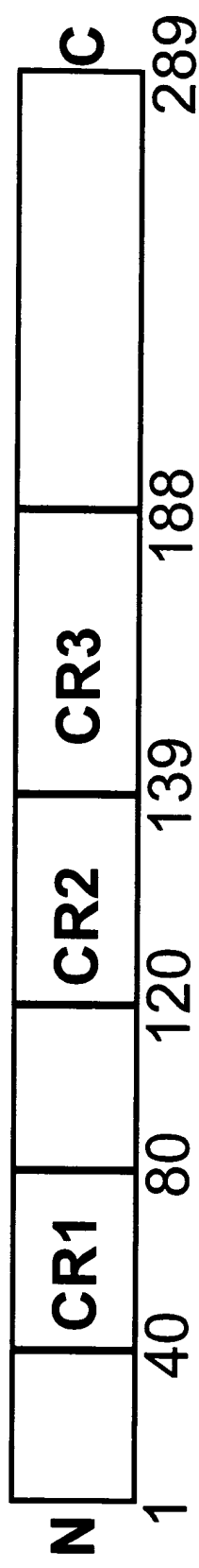
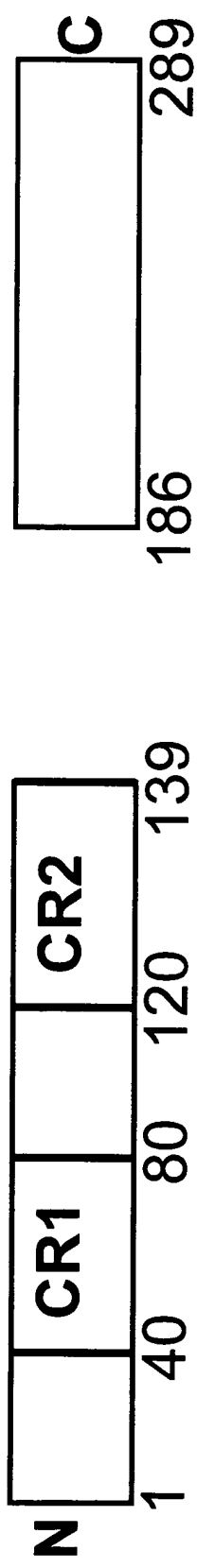


Fig. 7

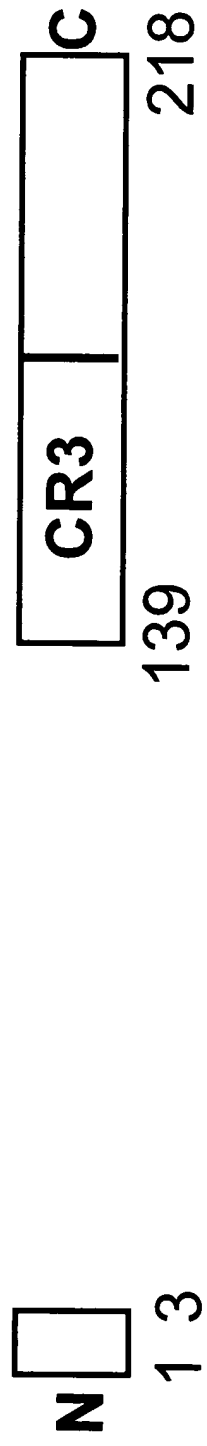
WT-AD5



dl520



dl1119/1131



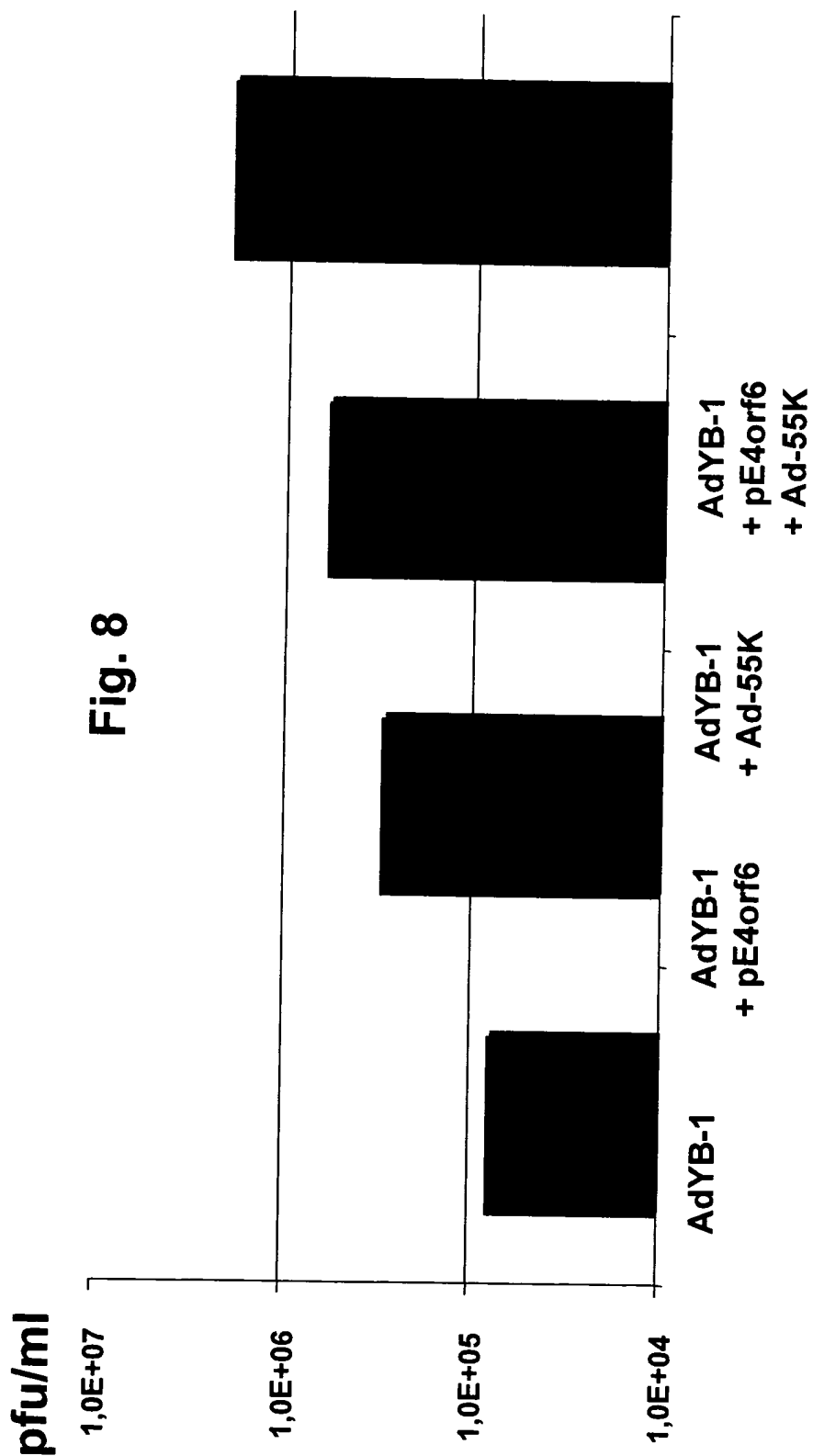




Fig. 9

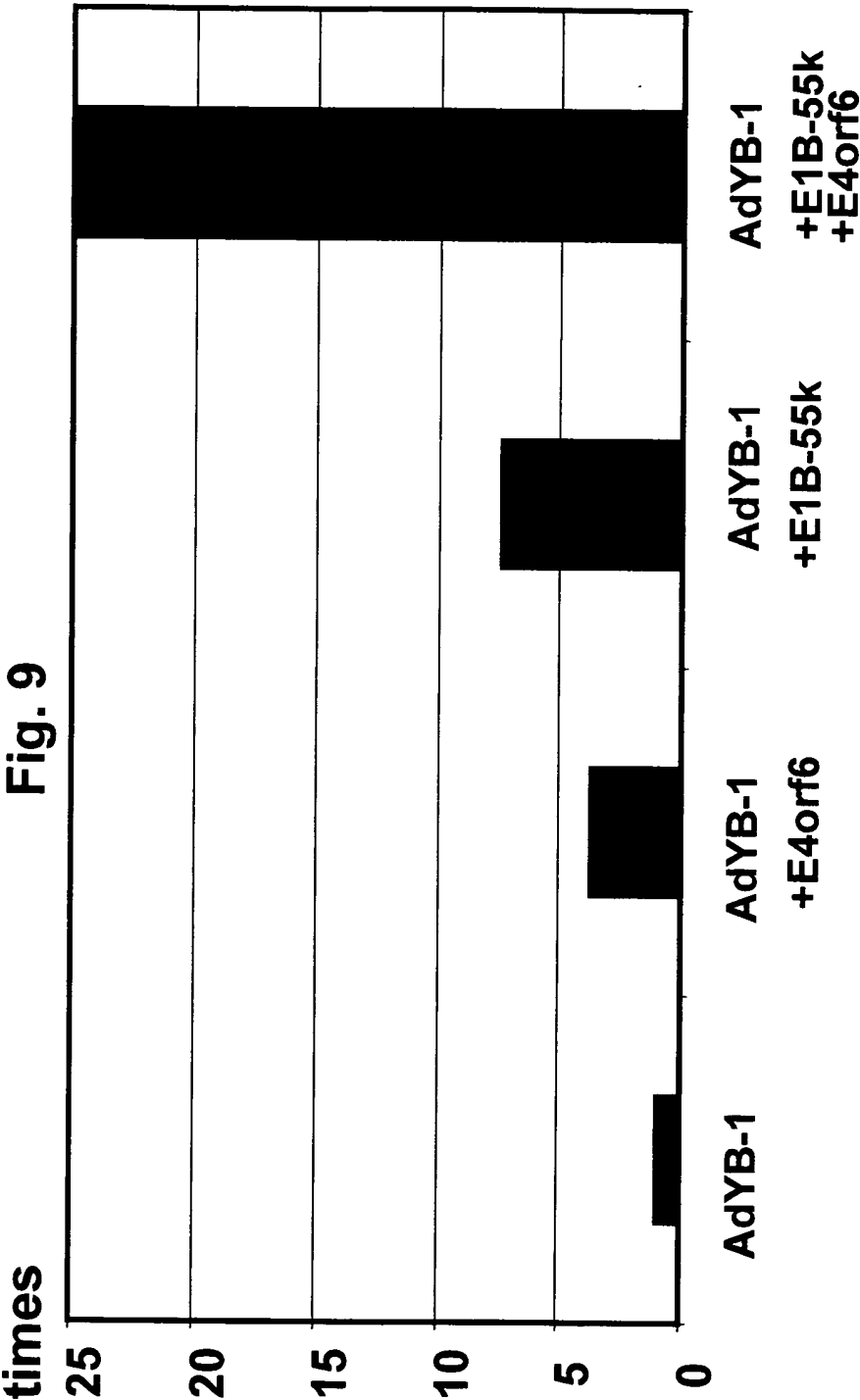
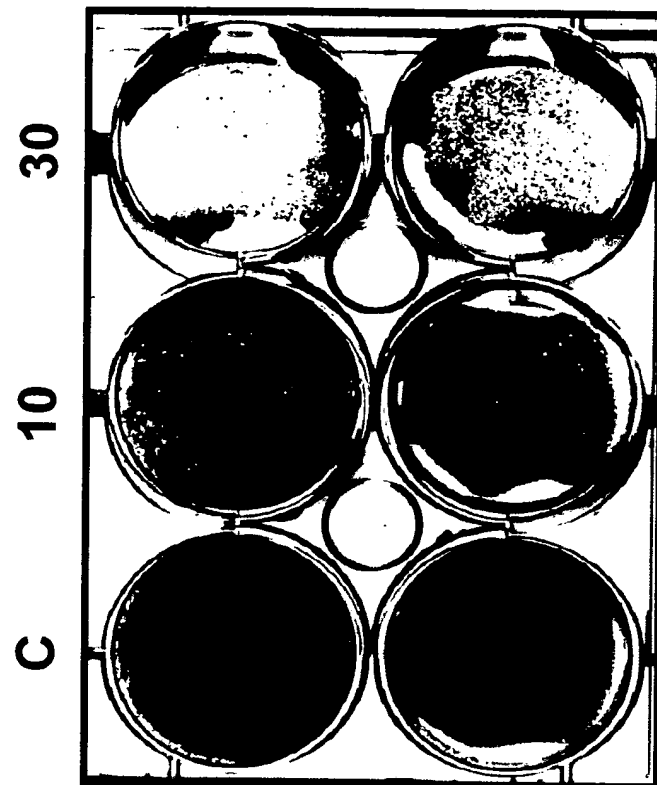


Fig. 10

Daunorubicin:  
40 ng/ml



Control:  
No Daunorubicin

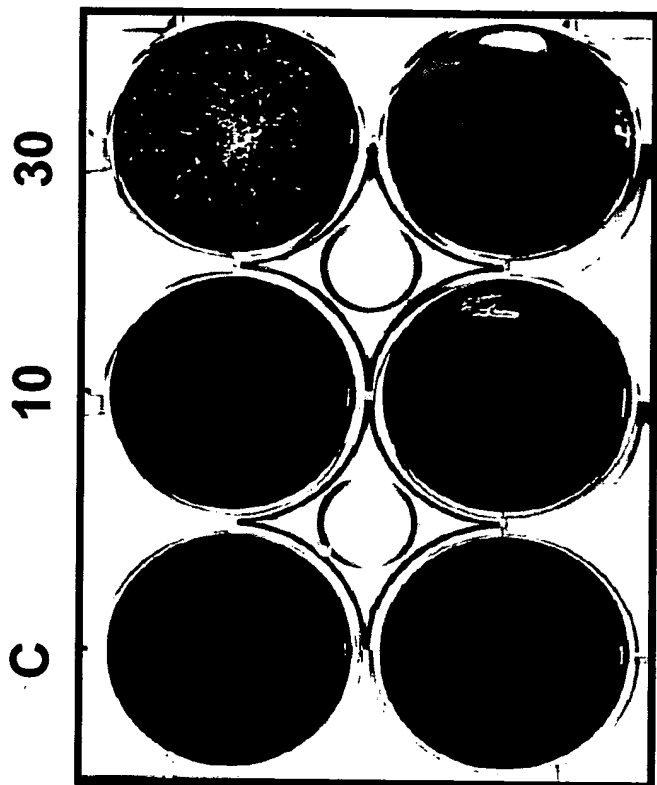
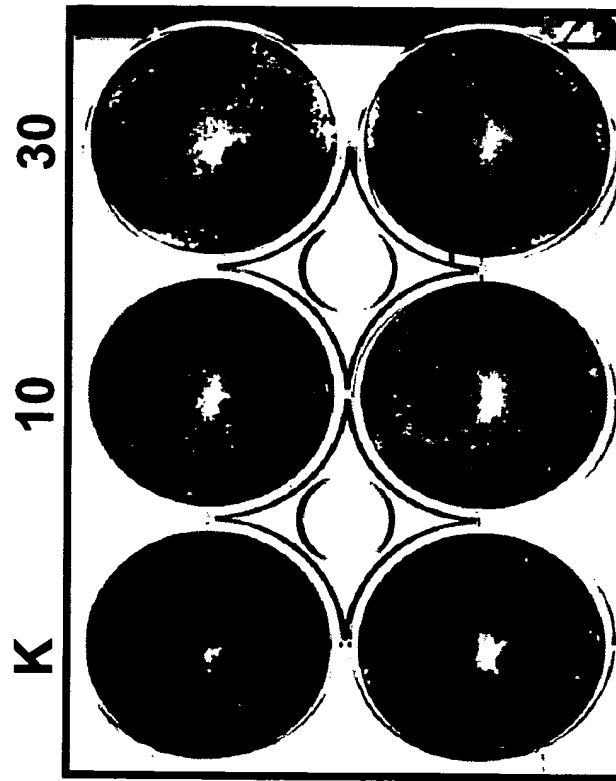


Fig. 11

Control:  
No Daunorubicin



Daunorubicin:  
40 ng/ml

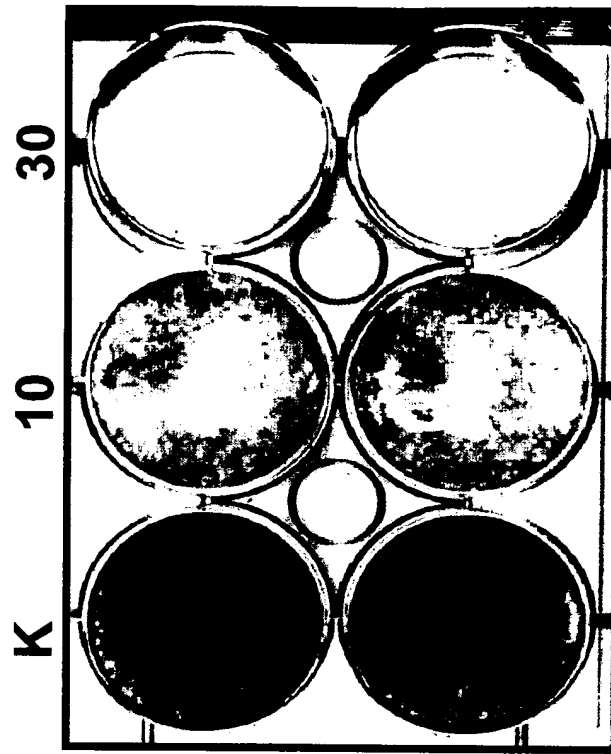


Fig. 12

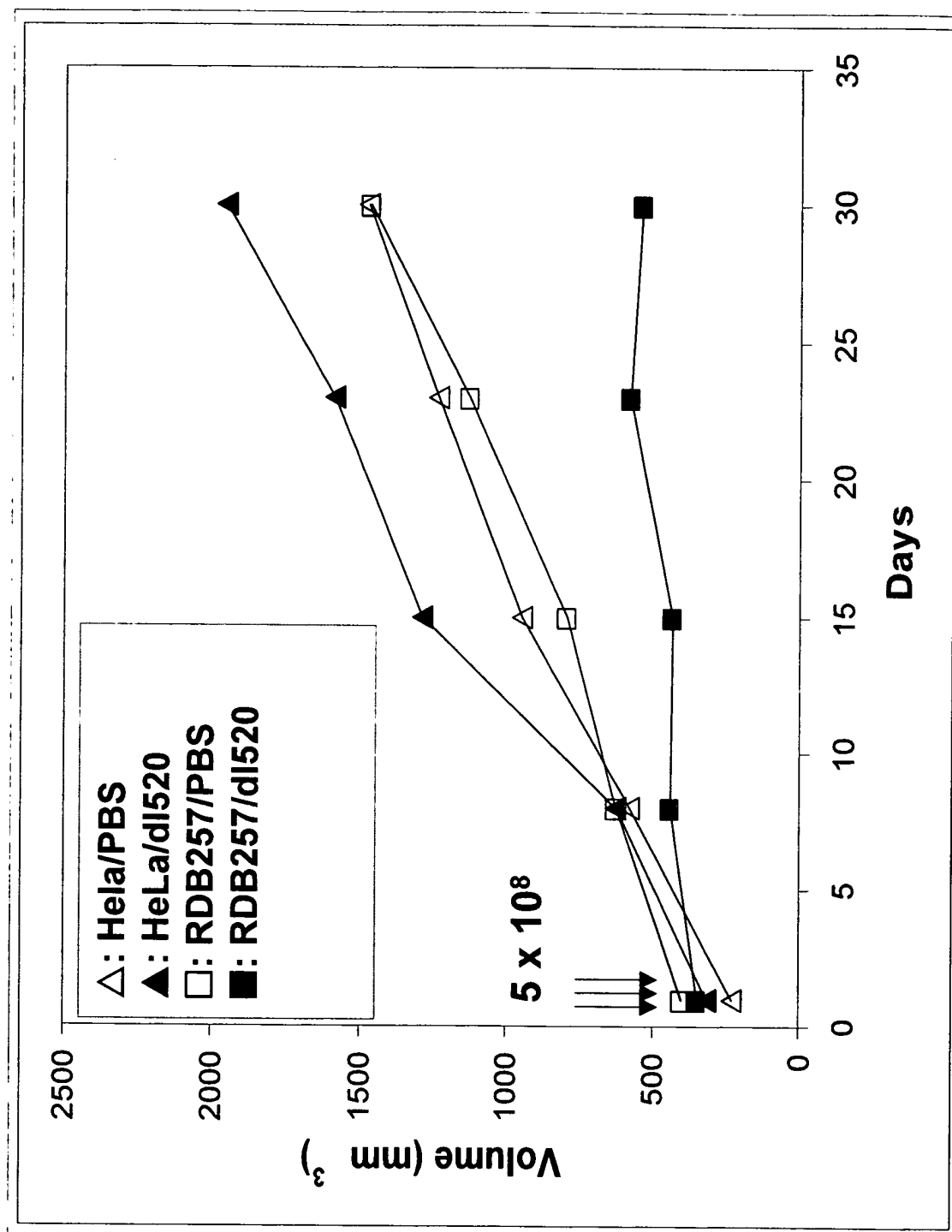
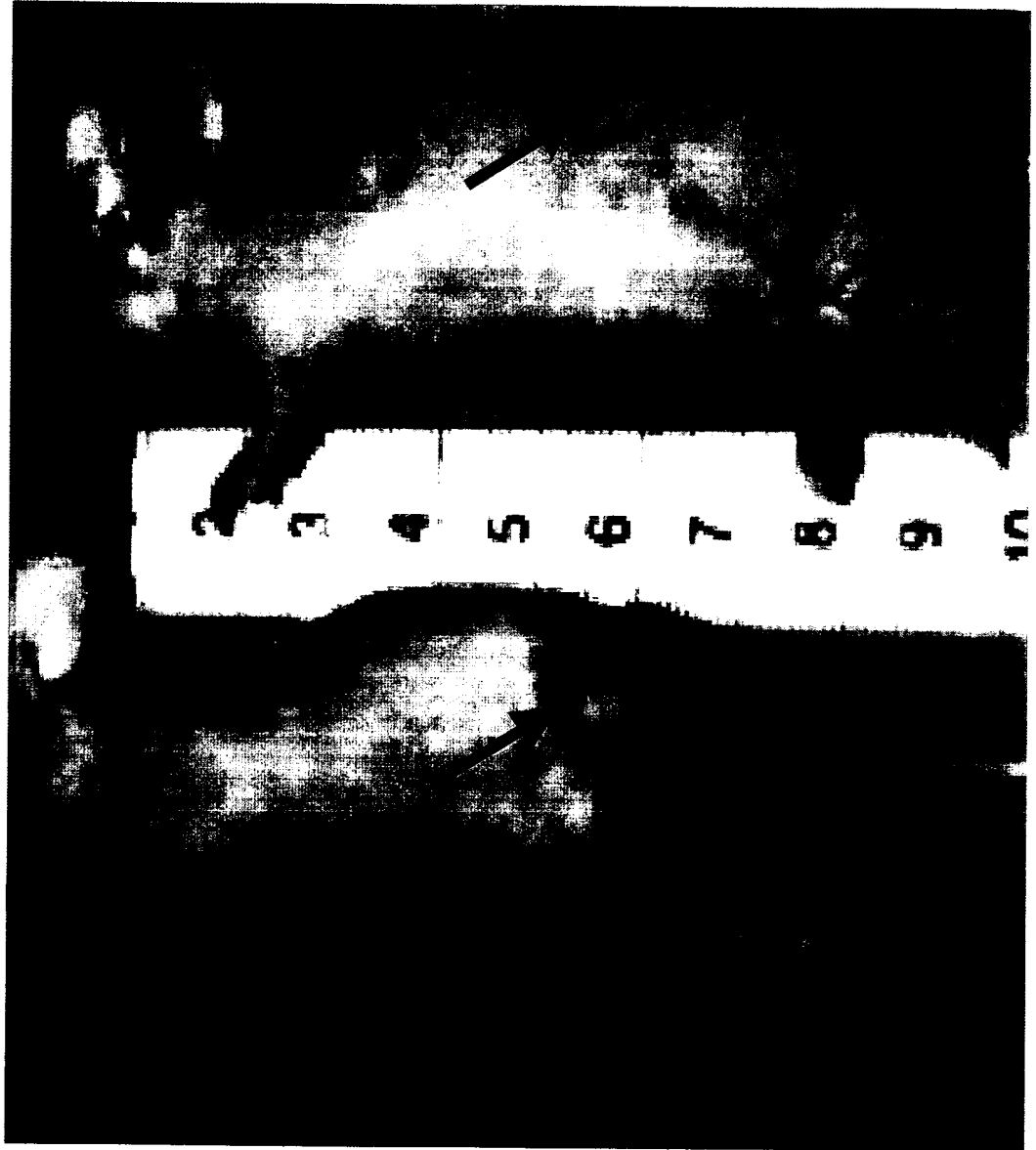
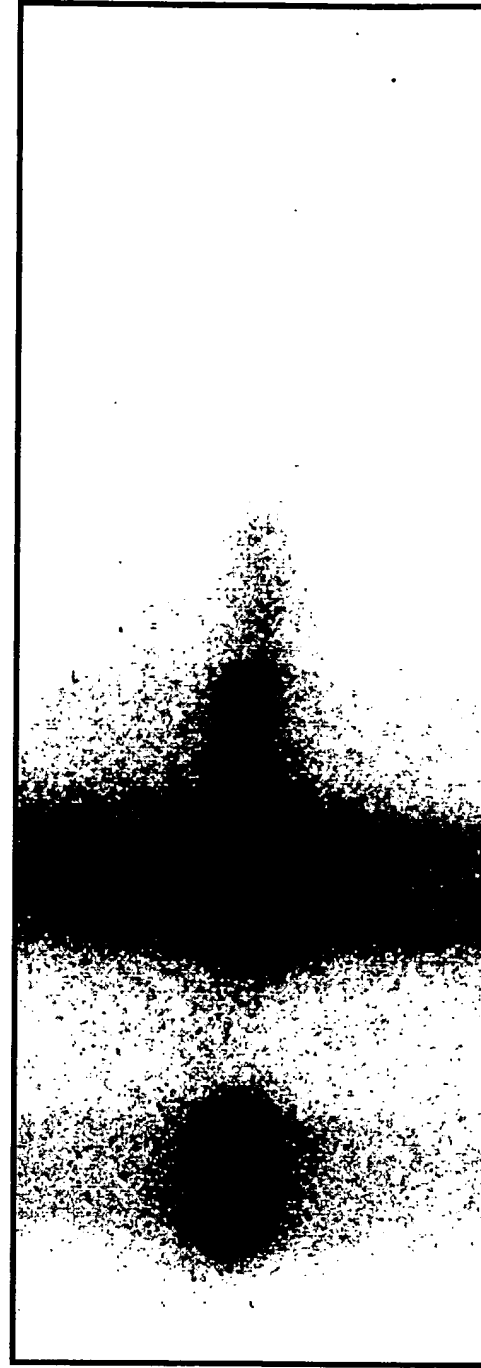


Fig. 13      PBS       $5 \times 10^8$  dI520



**Fig. 14**

	257RDB				HeLa			
	YB-1 nucleus-positive				YB-1 nucleus-negative			
	1	2	3	4	5	6	7	8



**Southern Blot Analysis**

Fig. 15

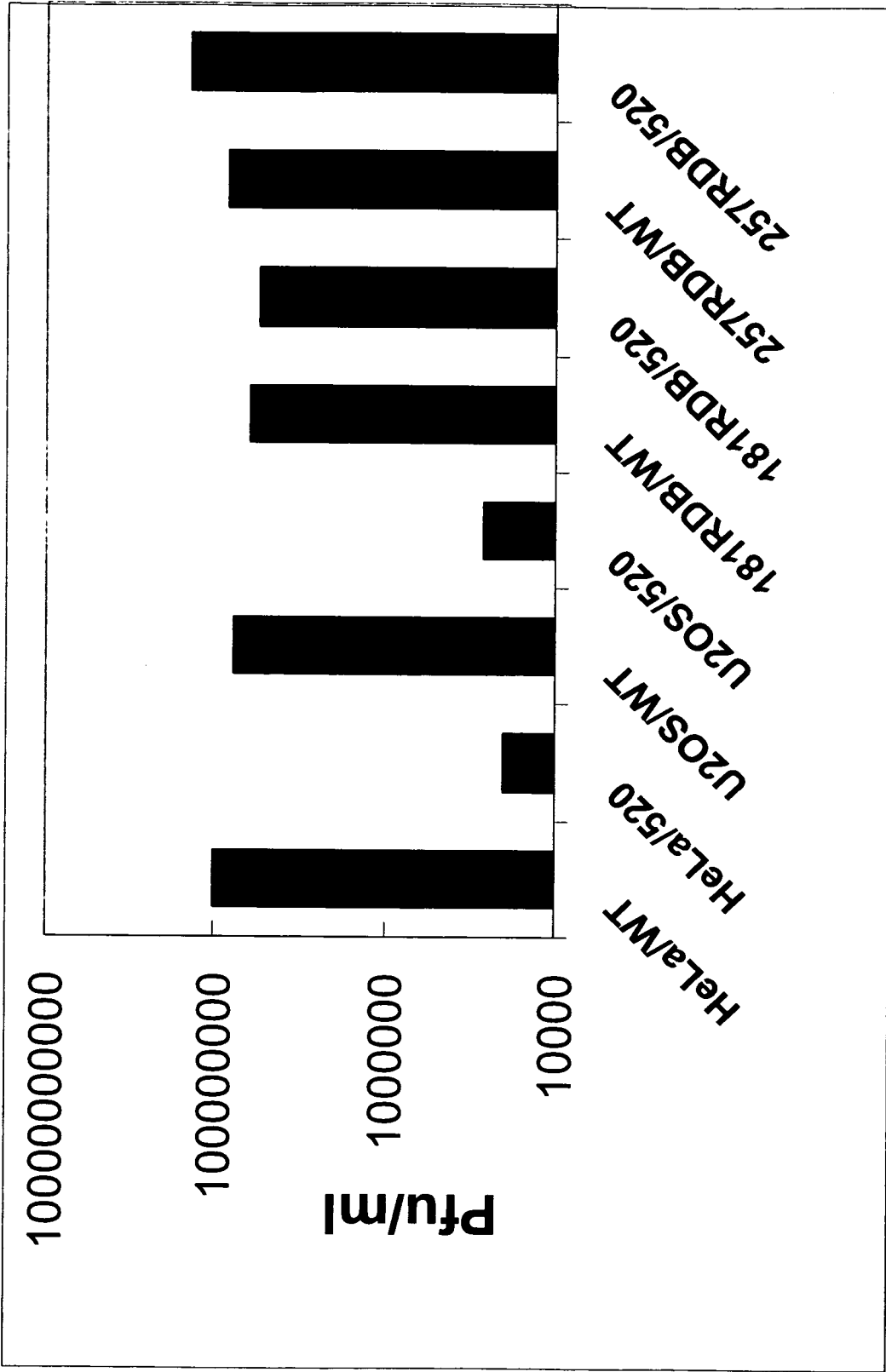
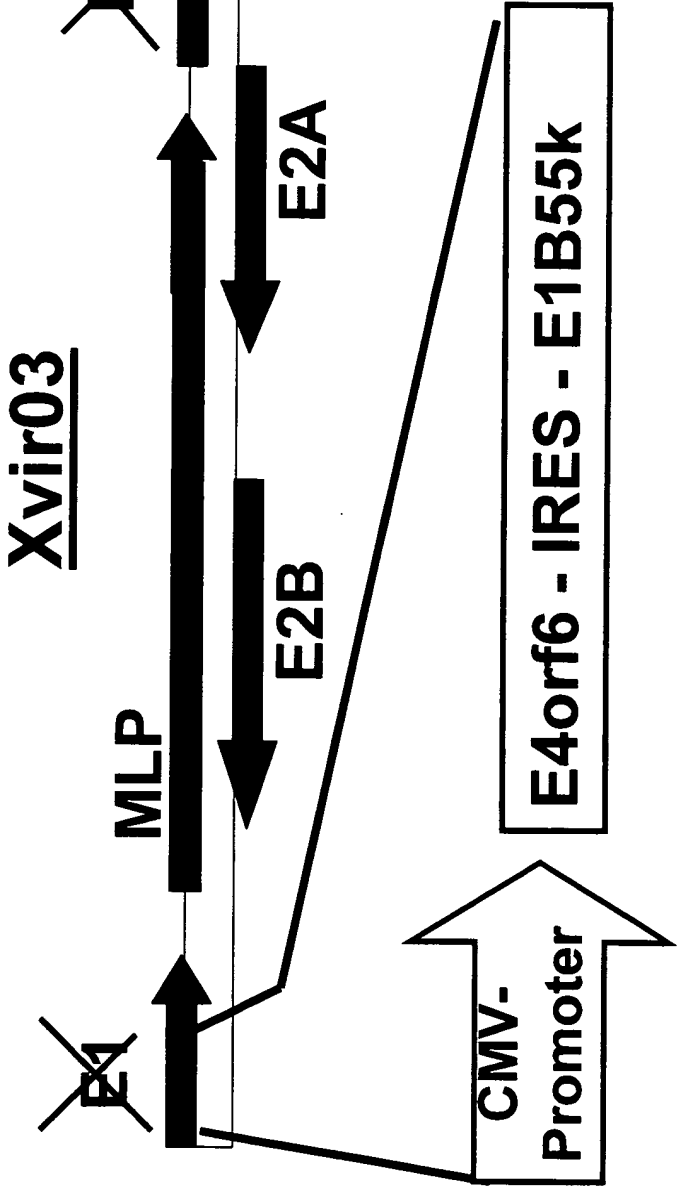
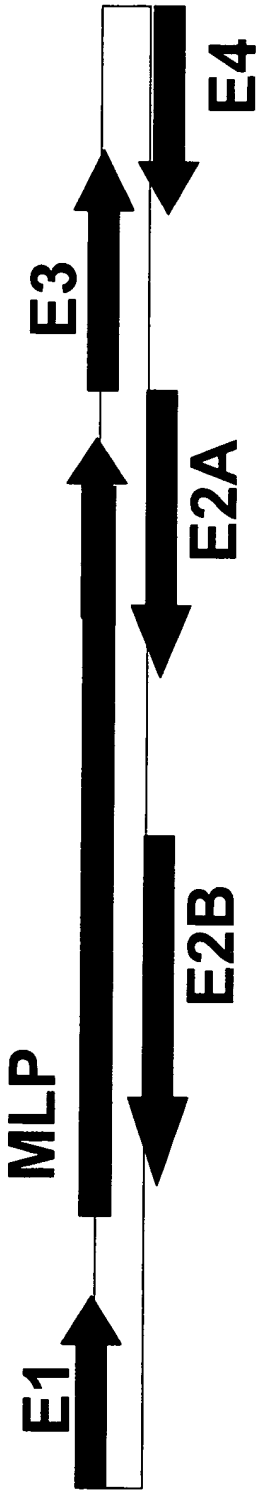


Fig. 16 Wildtype Adenovirus





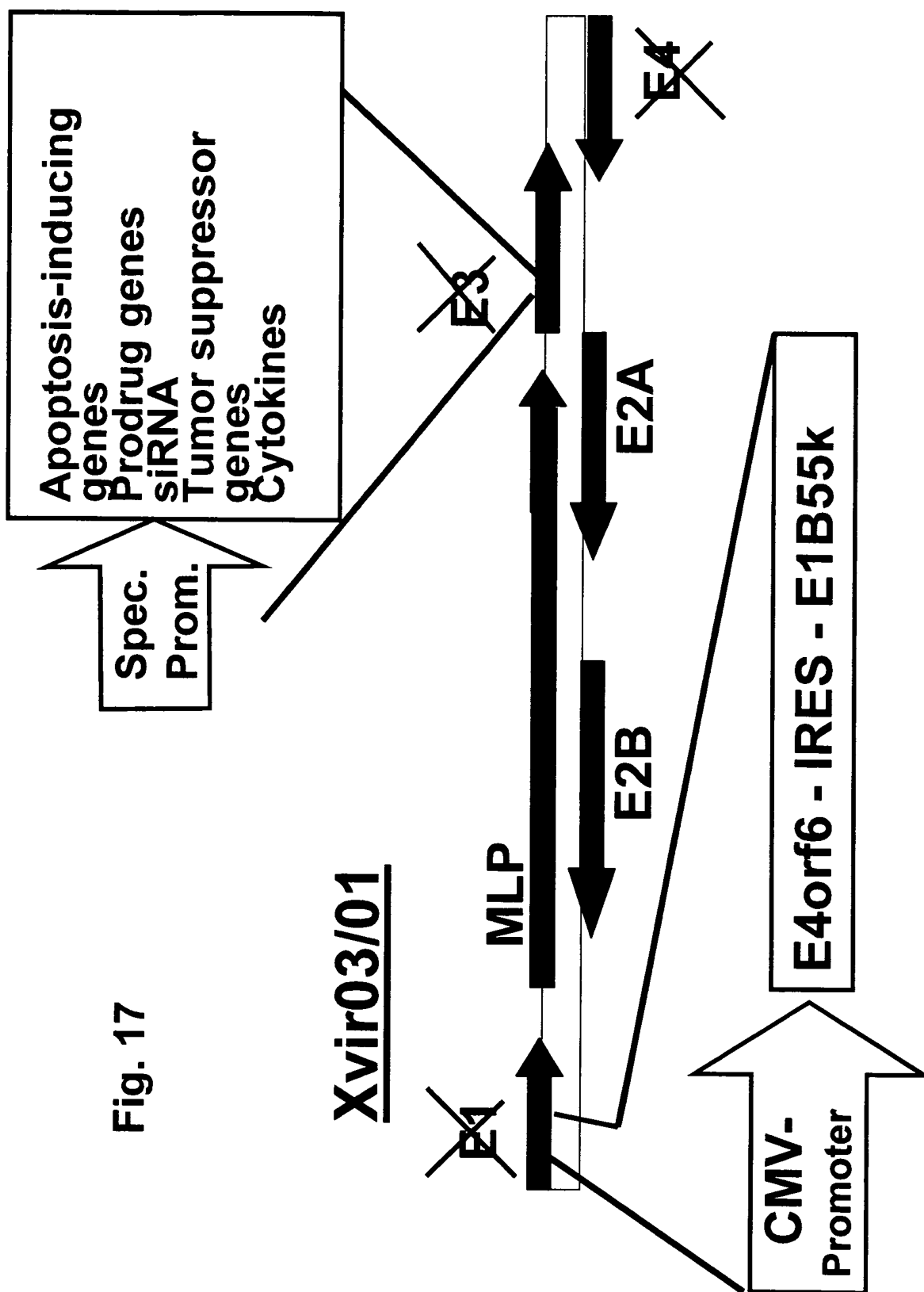


Fig. 18A

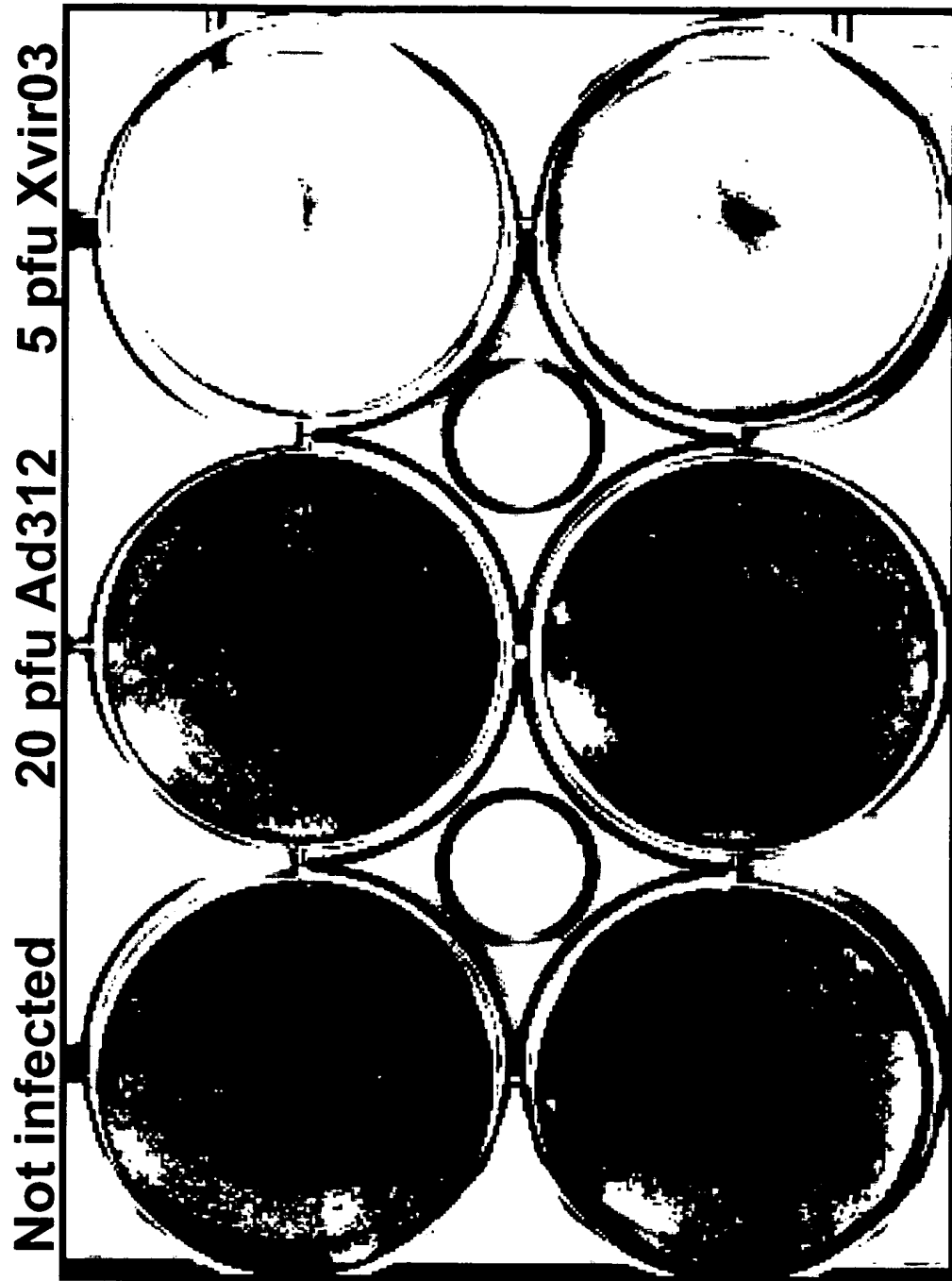
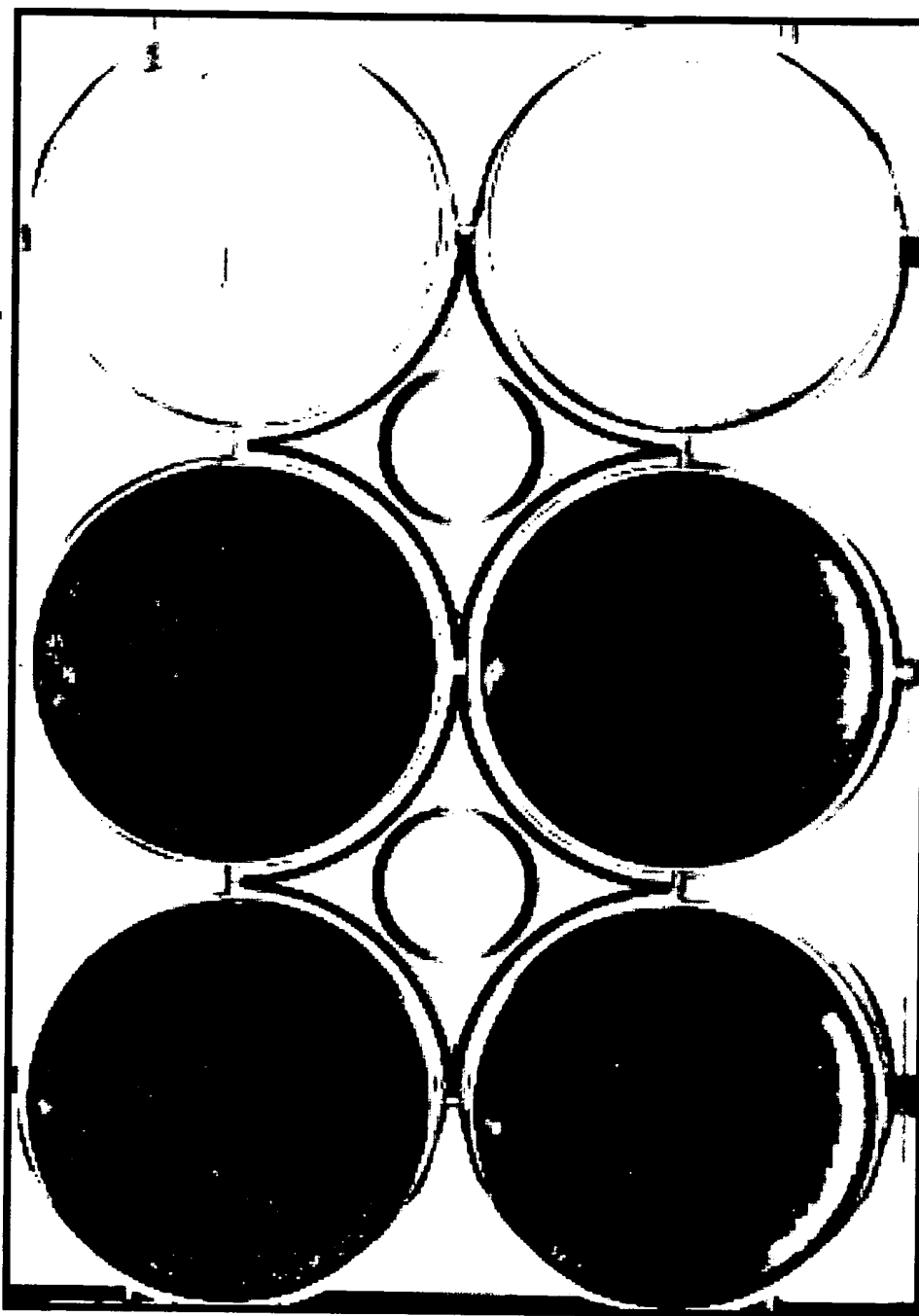


Fig. 18B

Not infected      20 pfu Ad312      5 pfu Xvir03



**Fig. 19**

**Northern Blot Analysis of E2 gene  
expression in Ad312 infected cells**

**Wt-Ad5      Ad312, 50 pfu/Zelle**

**A-549      A-549      U2OS**



**Fig. 20** Northern Blot Analysis of E2 gene expression in infected cells

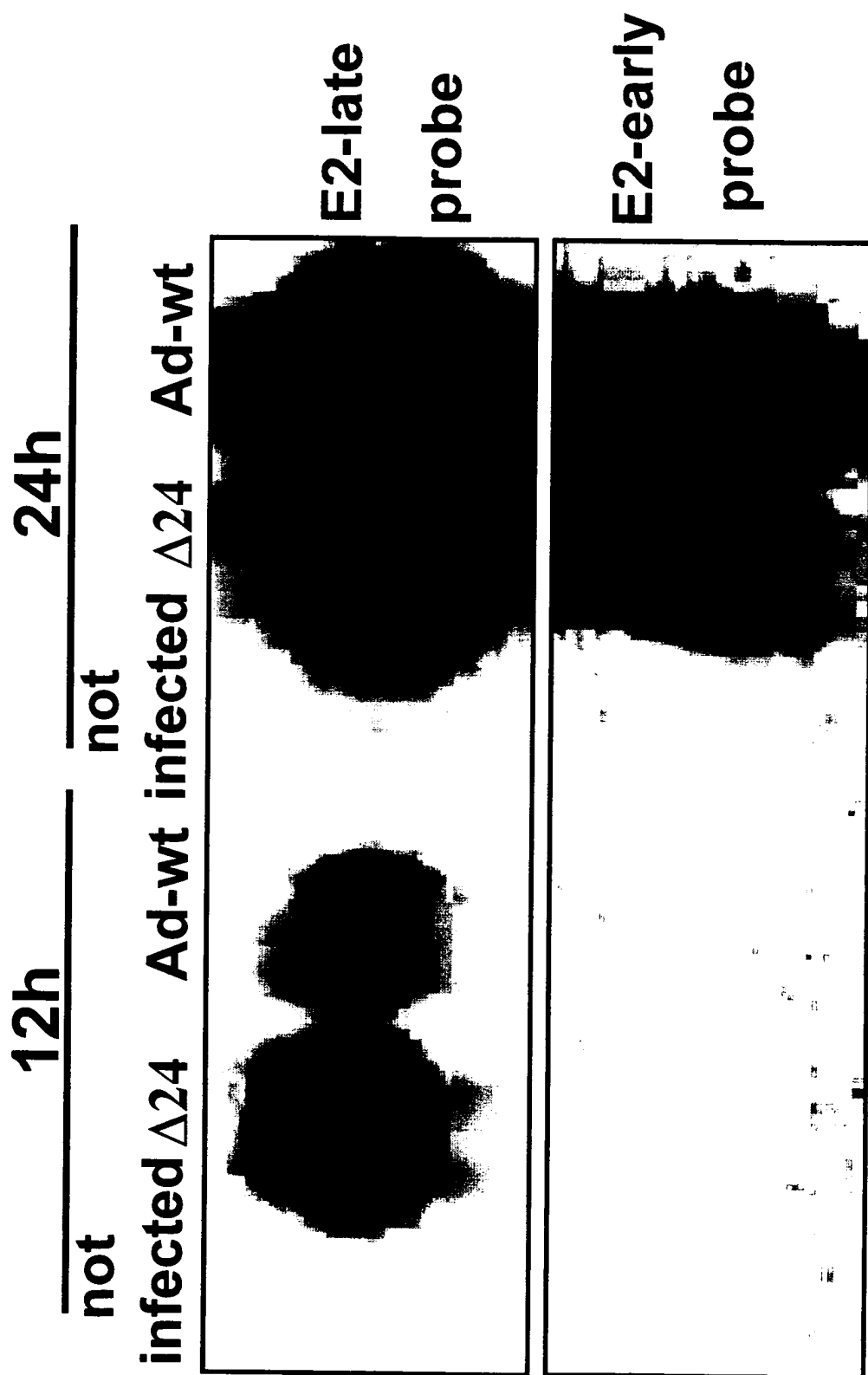


Fig. 21

XvirPSJL1

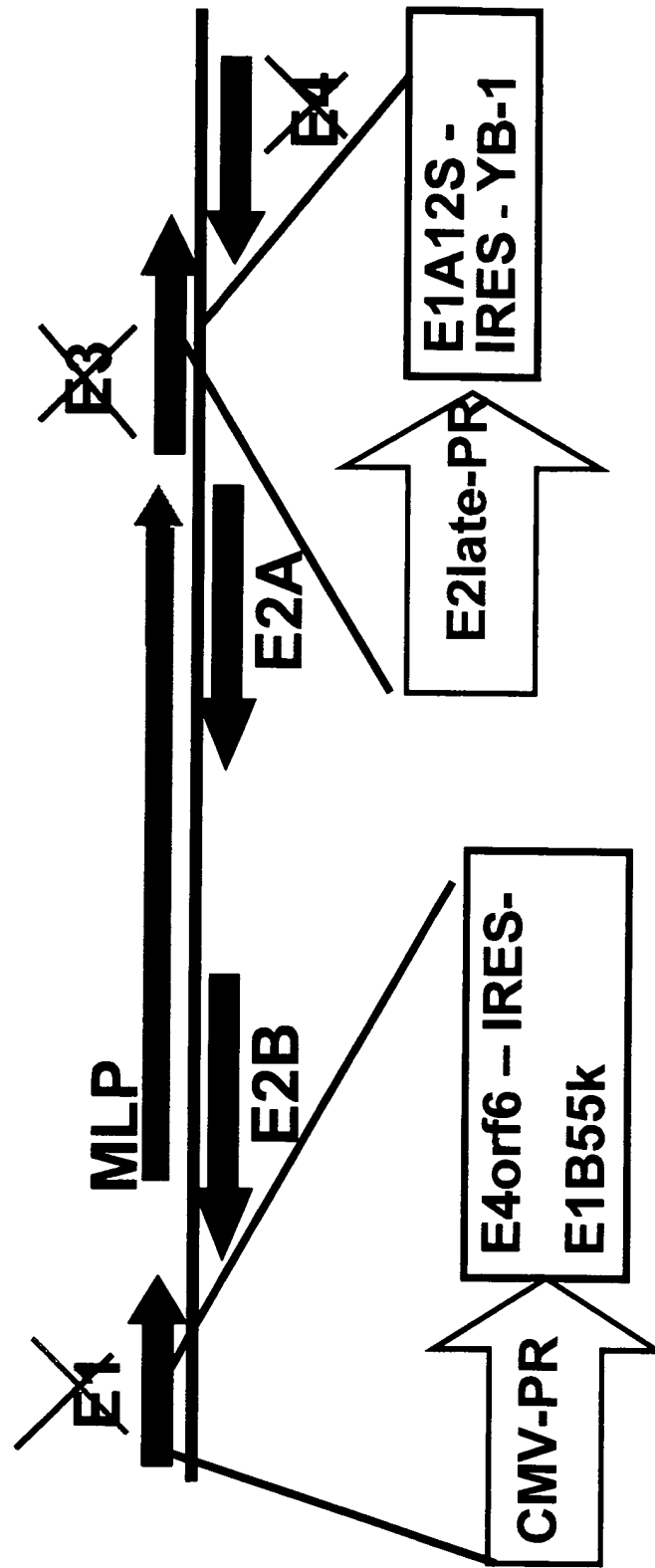
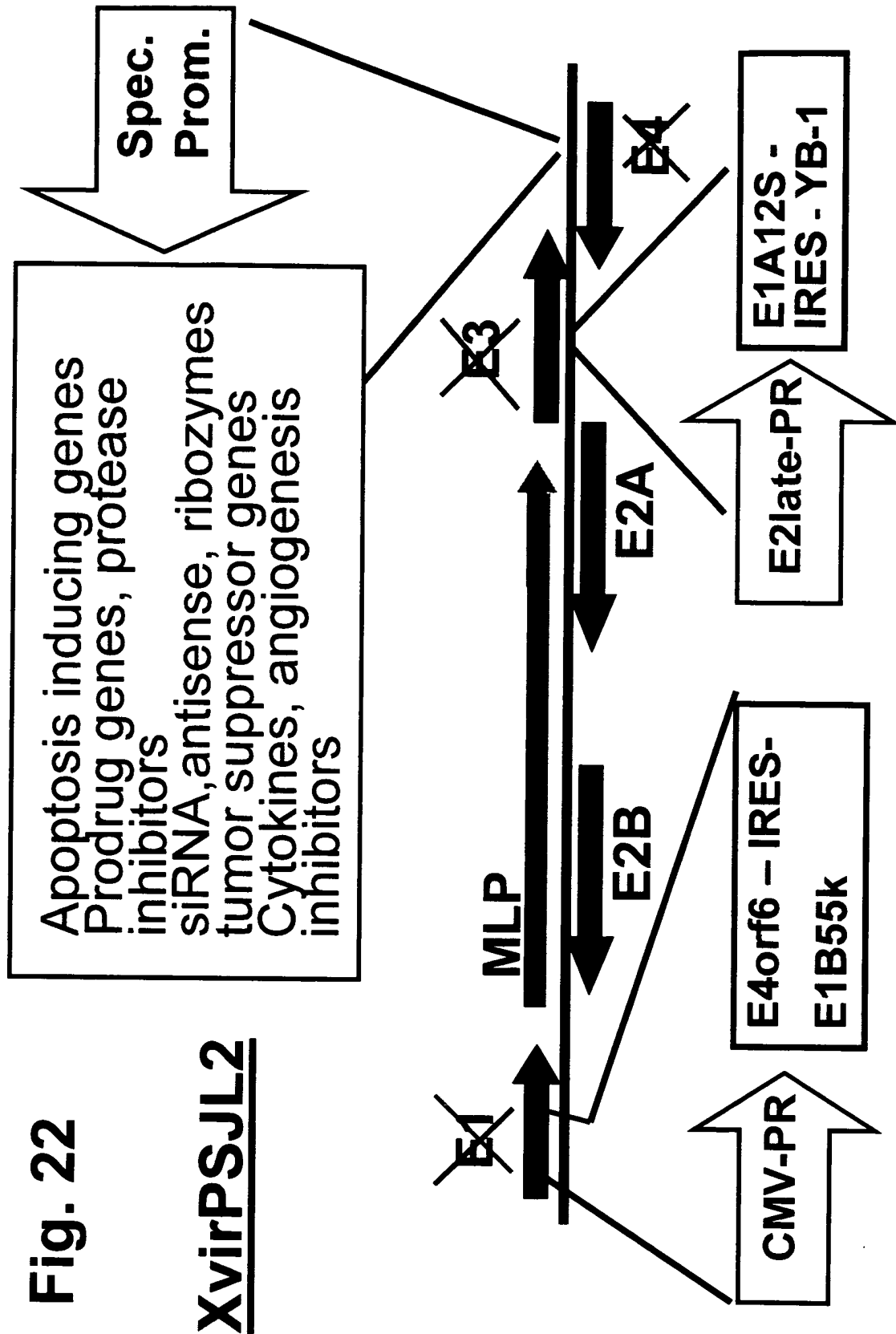


Fig. 22

XvirPSJL2

HeLa cells infected with  
different MOIs of dl520

Fig. 23

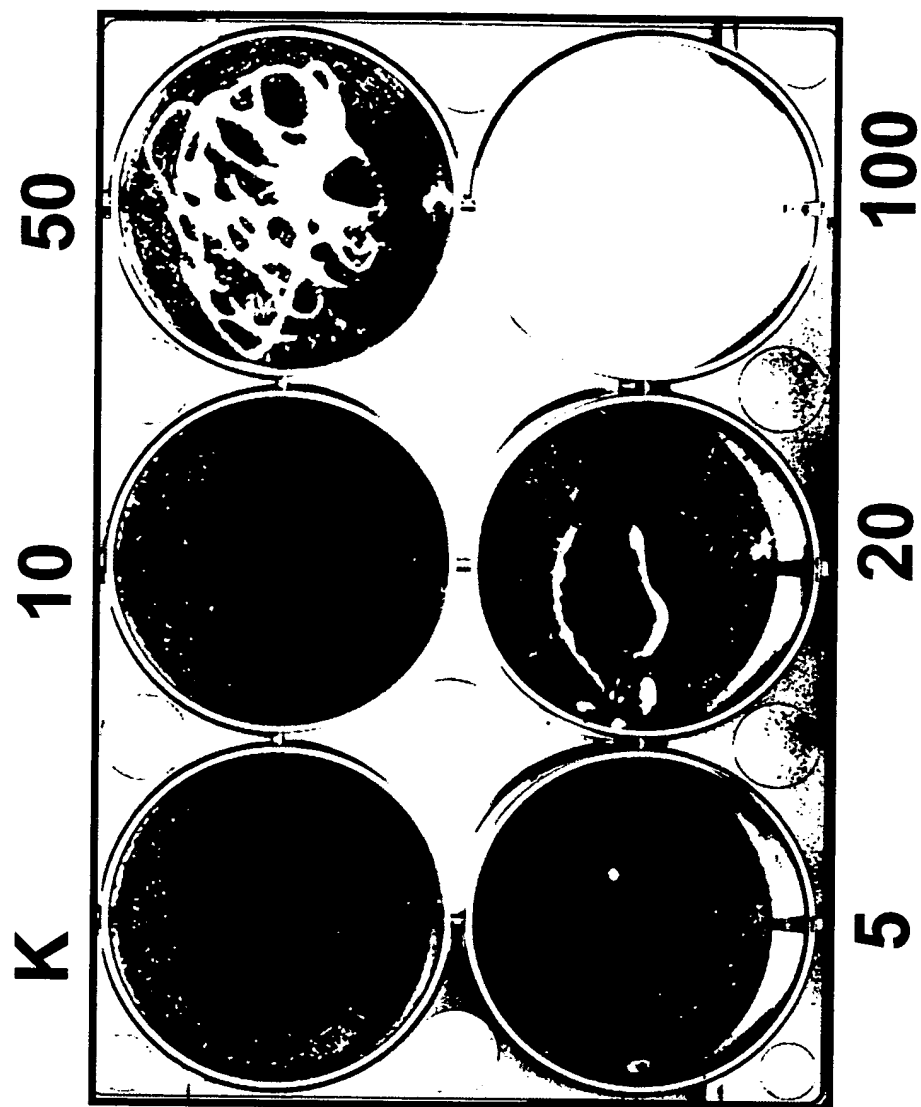
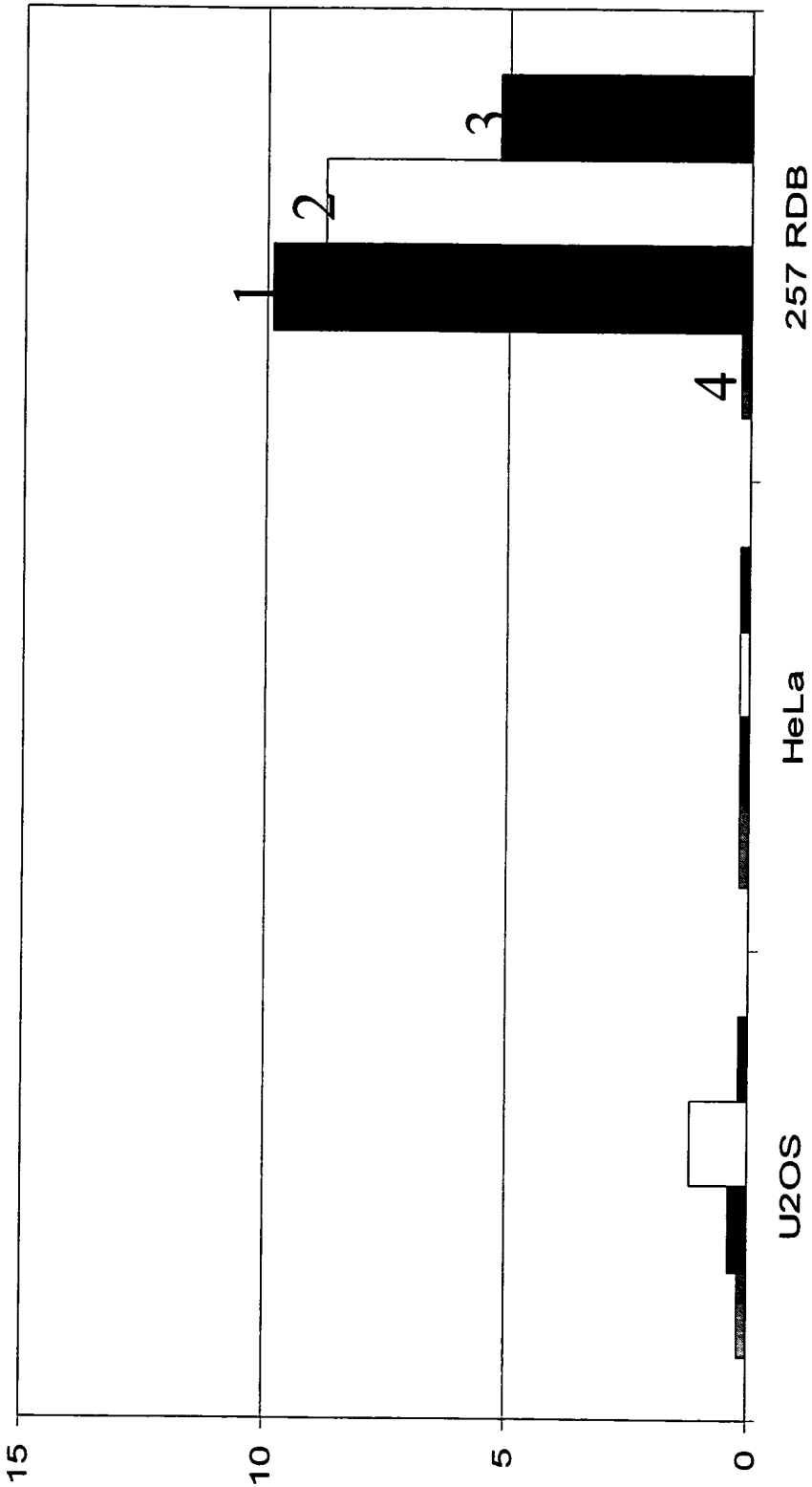
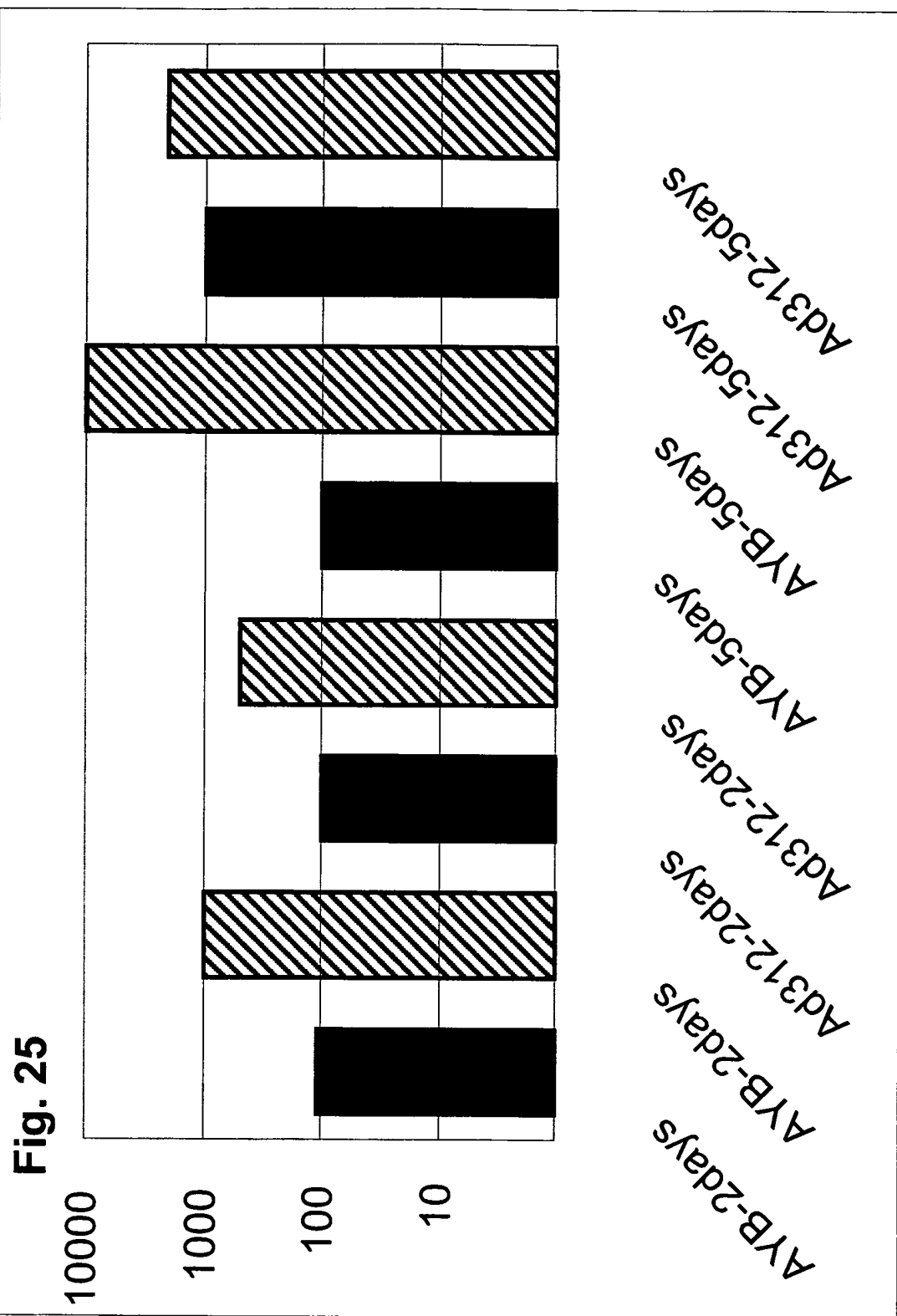




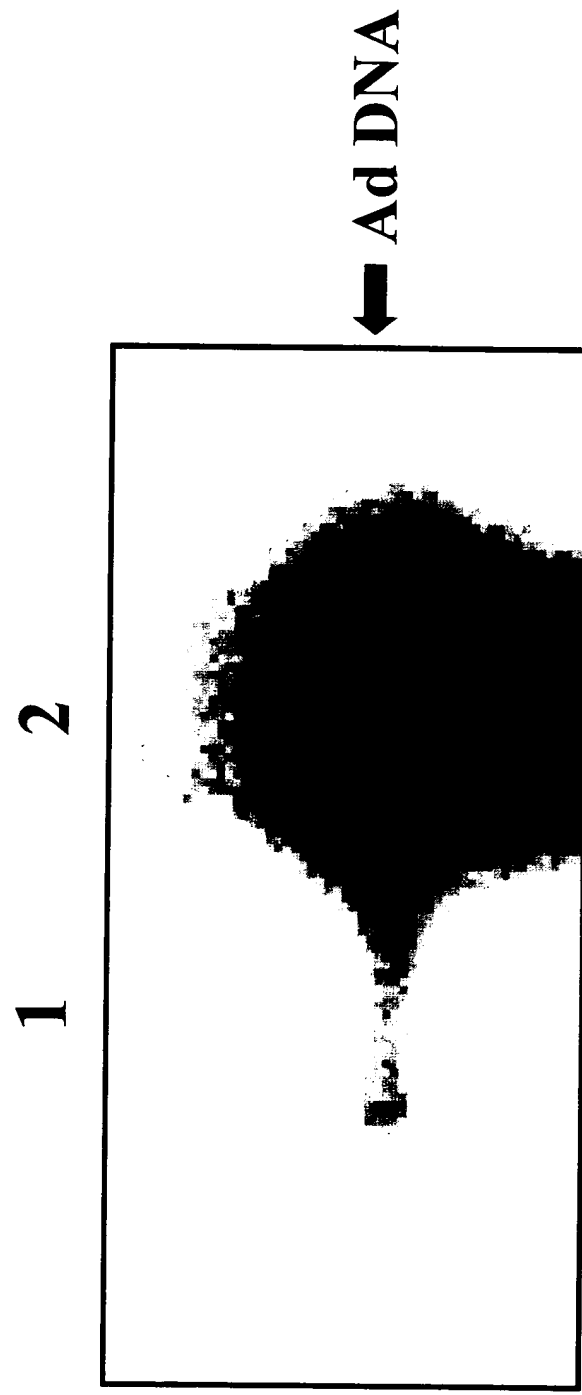
Fig. 24





**Fig. 26**

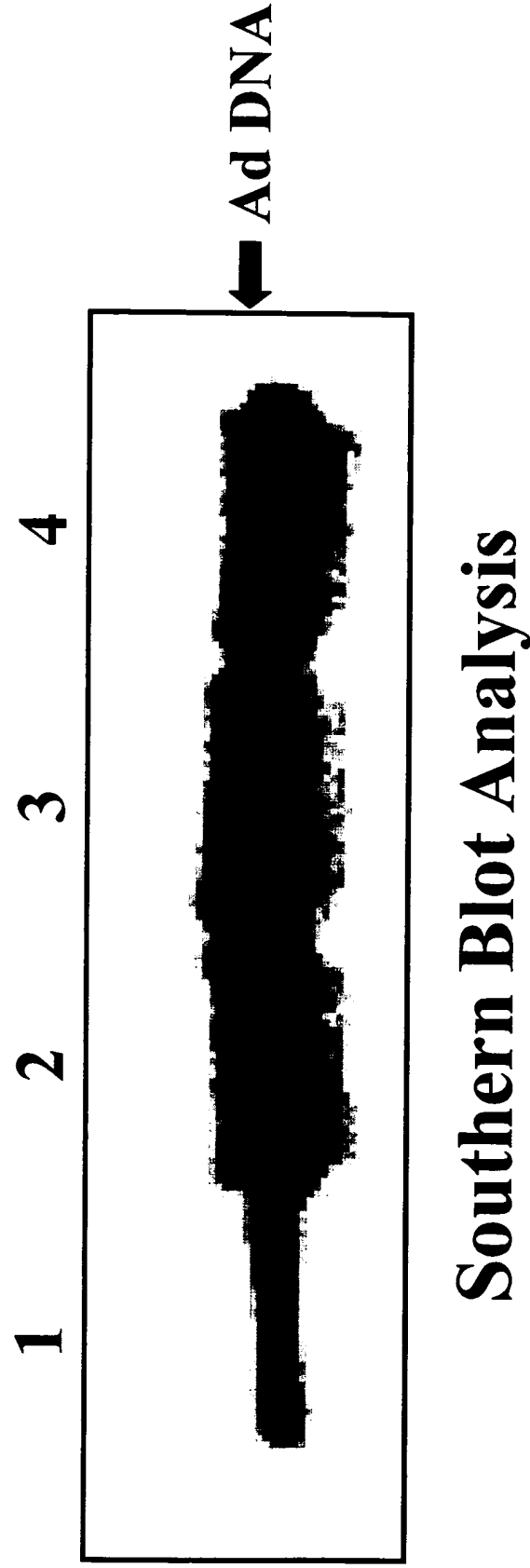
**U373 cells infected with 10 pfu  
dl520/cell after incubation with  
5μM Irinotecan for 24 hours**



**Southern Blot Analysis**

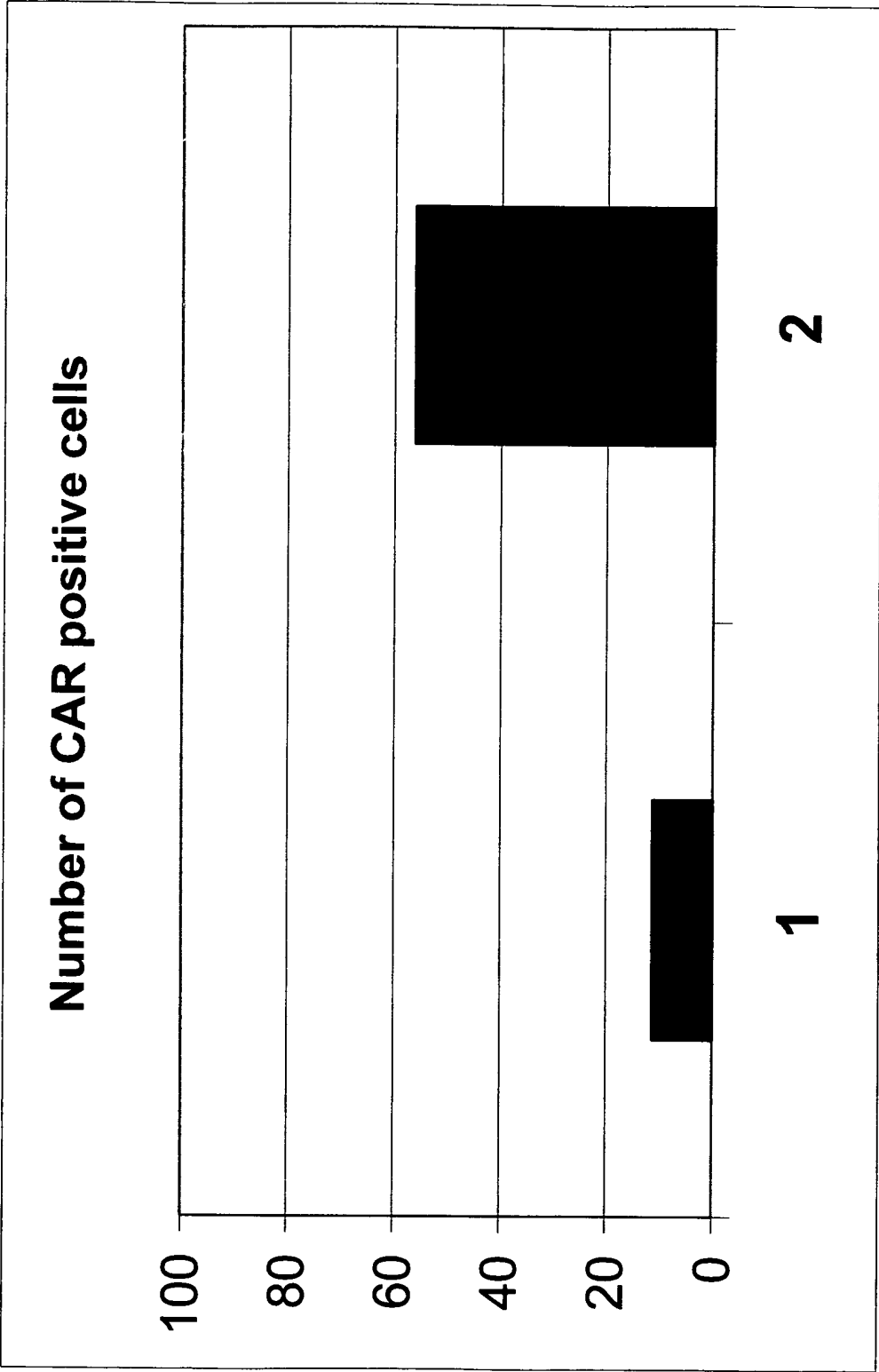
**U373 cells infected with 10 pfu dl520/cell**  
**After incubation for 24 hours with**  
**increasing concentrations of Trichostatin**

**Fig. 27**



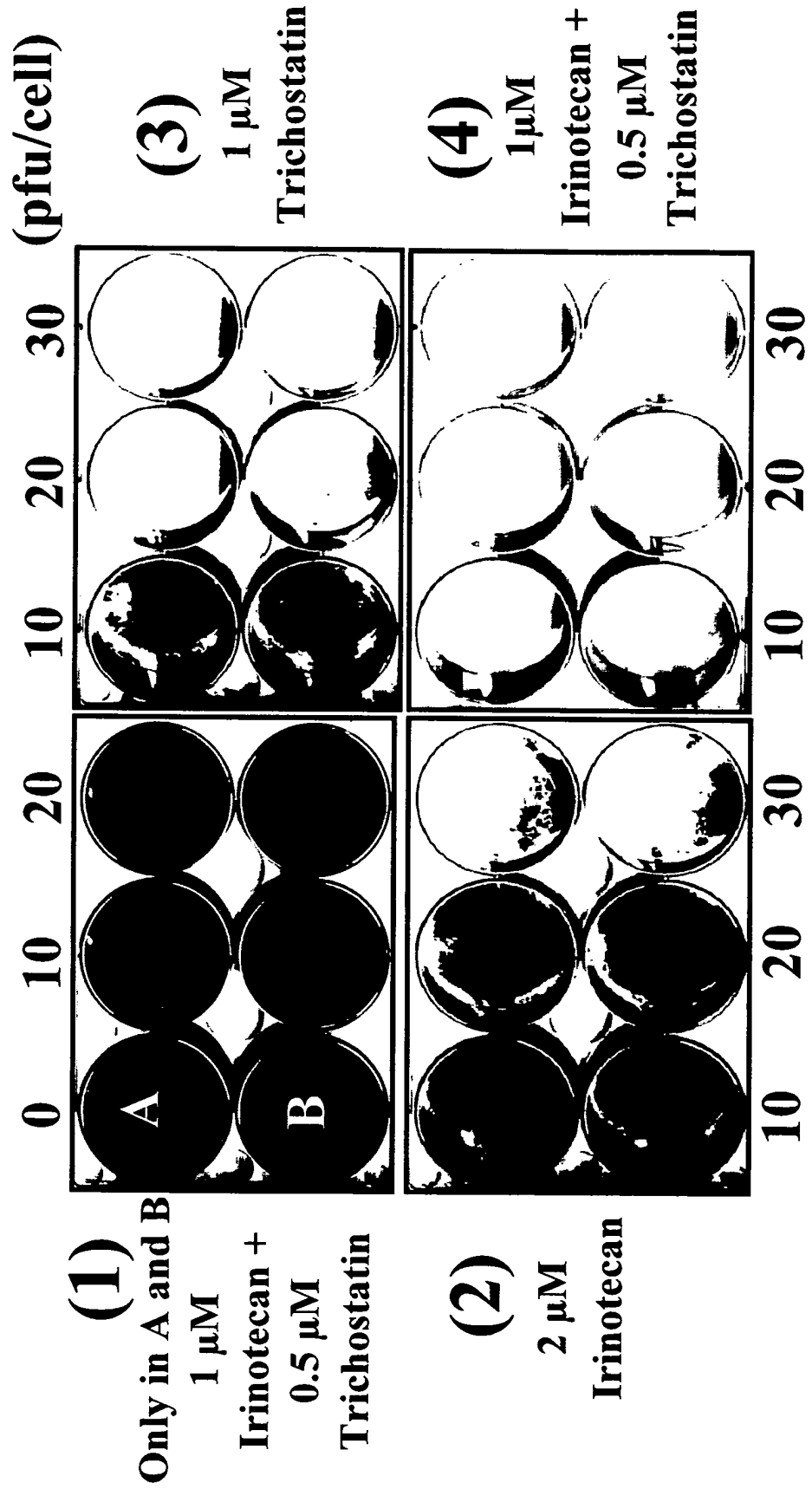
**Southern Blot Analysis**

**Fig. 28** FACS analysis: CAR expression of U373 cells after incubation with Trichostatin for 24 hours



# **Oncolytic effect of dl520 in U373 cells in combination with Irinotecan and Trichostatin**

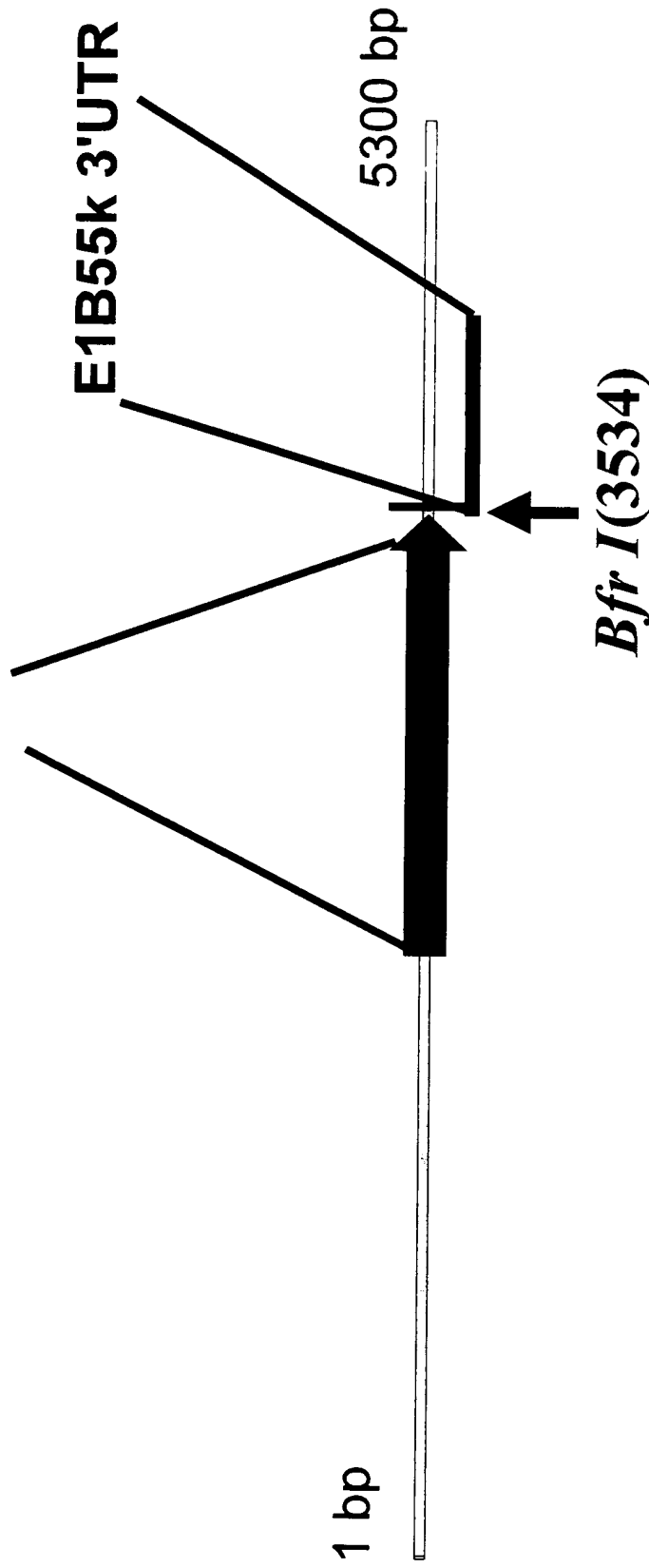
**Fig. 29**



**E1B55k-region:**  
**ORF = 2019 – 3506 bp**  
***BfrI* – cleavage site = 3534 bp**  
**3'UTR = 3507 – 4107 bp**

**Fig. 30**

***E1B55k* ORF**



**Fig. 31**

5'tgaggtaactgaatgtgtggcggtggttaagggtgggaagaatatataag  
gtgggggtcttatgtagttttgtatctgttttgacagcgcgcgcgcctatgagc  
accaactcgtttgatgggaagcattgtgagctcatatttgacaacgcgcgcgcgc  
catgggccgggtgcgtcagaatgtgatgggctccagcattgatggtcgcgcgc  
gtcctgcccgcgaactctactactacctgacctagagaccgtgtcttggaacgcgc  
ttggagactgcagcctccgcgcgcgttcagcgcgtgcagccaccgcgcgcgcg  
ggattgtgactgactttgcttcttgagcccgcttgcaagcagtgacgttcccg  
tcatccgcgcgcgatgacaagttgacggcctcttttggcacaattggattcttgac  
ccgggaacttaatgtcgtttctcagcagcgtgttggtatctgcgcagcaggtttctg  
ccctgaaggcttcctccctcccaatgcggtttaaaacataaaaaaacag  
actctgtttggattggatcaagcaagtgtctgtcttattagggttttgc



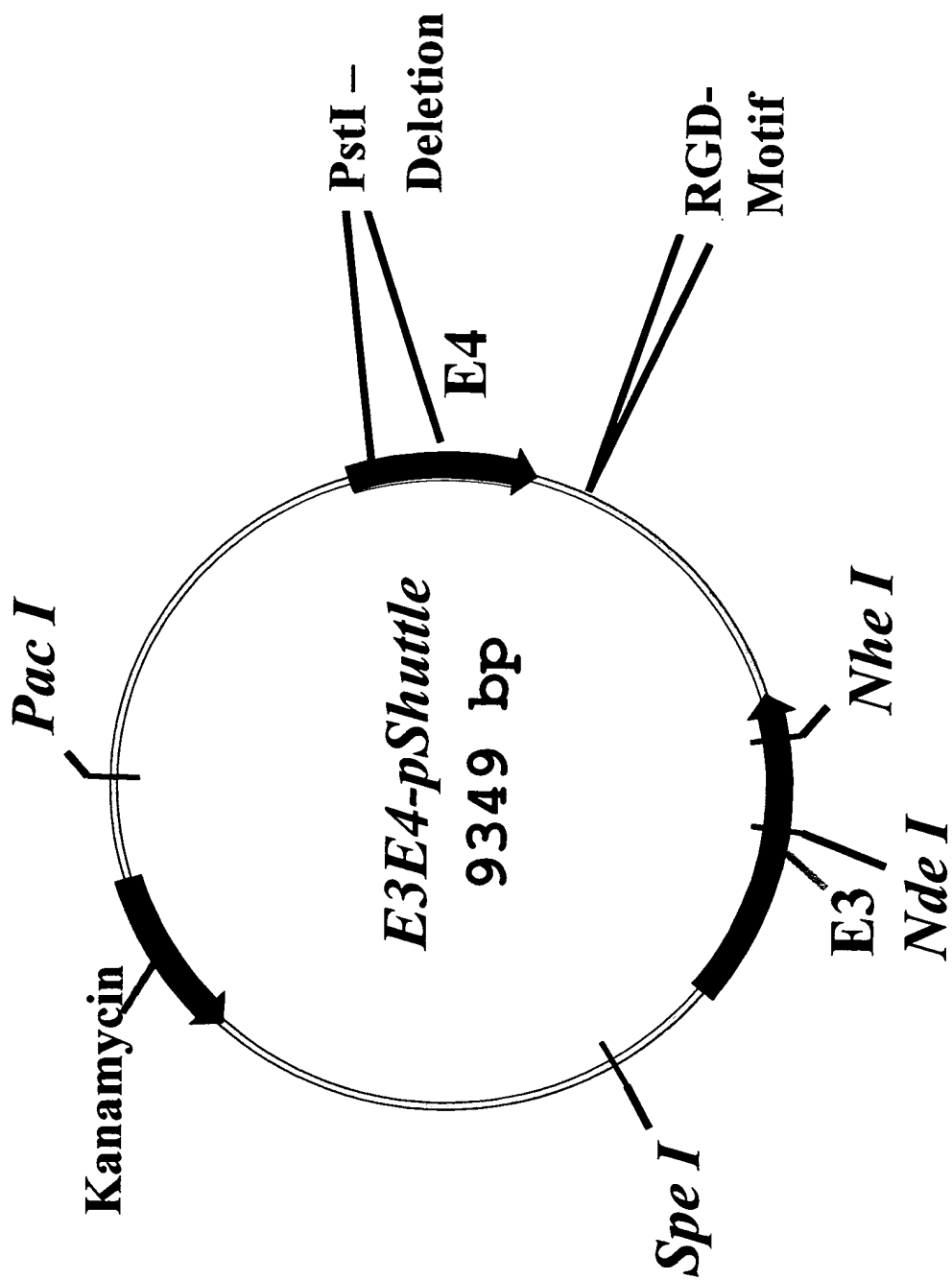


Fig. 32